

1653

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/393,441

DATE: 10/23/2000
TIME: 14:20:48

Input Set : A:\420c1.app
Output Set: N:\CRF3\10232000\I393441.raw

ENTERED

4 <110> APPLICANT: Anderson, Christen M.
5 Davis, Robert E.
6 Clevenger, William
7 Wiley, Sandra Eileen
8 Willer, Scott W.
9 Szabo, Tomas R.
10 Ghosh, Soumitra S.
11 Moos, Walter H.
12 Pei, Yizhong
14 <120> TITLE OF INVENTION: PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),
15 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR
17 <130> FILE REFERENCE: 660088.420C1
19 <140> CURRENT APPLICATION NUMBER: US 09/393,441
20 <141> CURRENT FILING DATE: 1999-09-08
22 <160> NUMBER OF SEQ ID NOS: 37
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 894
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapien
31 <400> SEQUENCE: 1
32 atgggtgate acgctttggag ctcttaaag gacttcctgg cggggcggtt cgccgcgtcc 60
33 gtctccaaaga cccgggtcgc cccatcgag agggtaaac tgctgtcga ggtccagcat 120
34 gccagaaac agatcgtgc tgagaagcg tacaaggta tcattgattt tgggtgaga 180
35 atccctaagg agcagggtt cctcttc tggagggtt acctggccaa cgtgatccgt 240
36 tacttccccca cccaaatctt caacttcgccc ttcaaggaca agtacaagca gtccttc 300
37 ggggggttgg atcgccatata gcgttctgg cgctactttt ctggtaacct ggcgtccgt 360
38 gggccgttgg gggccaccc ccttgcgtt gtctacccgc tggactttgc taggaccagg 420
39 ttggctgttgg atgtgggcag ggcgcggccag cgtgatgtcc atggcttggg cgactgtatc 480
40 atcaagatct tcaacttcgaa tggcttgagg gggcttccaa agggtttccaa cgtcttcgtc 540
41 caaggatca tttatctatag agtgccttac ttccggatgtt atgataatgc caagggatg 600
42 ctgcctgacc ccaagaacgt gcacatttt tggagctgaa tgatgtccca gagtgtgacg 660
43 gcagtcgcacg ggctgtgtc ctaccctttt gacactgttc gtgttagaat gatgtgcacg 720
44 tccggccgaa aaggggccgtt tattatgtac acggggacag ttgactgttgg gggaaatgtt 780
45 gcaaaagacg aaggagccaa ggccttccaa aaagggttccaa ggtccatgtt gctgagggc 840
46 atgggcgttgg ctttttattt ggtgttgcattt gatgagatca aaaaatatgtt ctaa 894
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 897
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapien
53 <400> SEQUENCE: 2
54 atgacatgtt cccgtttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
55 atctccaaaga cggccgttgc gcccattcgag cgggtcaagc tgctgtcga ggtccagcat 120
56 gccagaaacg agatcacttc agataaggca tacaaggta ttatagactg cgtggccgt 180
57 atcccccaagg agcaggaaatc tctgttcc tggcgcgtt acctggccaa tggatcaga 240
58 tacttccccca cccaggctttaaacttcgccc ttcaaaatgtt aataacaagca gatcttcgt 300
59 ggtgggttgg acaagagaac ccagttttgg cgctactttt cagggatctt ggcattccgt 360

RAW SEQUENCE LISTING DATE: 10/23/2000
 PATENT APPLICATION: US/09/393,441 TIME: 14:20:48

Input Set : A:\420cl.app
 Output Set: N:\CRF3\10232000\I393441.raw

```

60  ggtgcccgac gggccacate cctgtgtttt gtgtaccctc ttgatttgc ccgtaccgt 420
61  ctagcagctg atgtggtaa agctggagct gaaagggat tccgaggct cggtgactgc 480
62  ctggtaaga tctacaatc tcatggatt aaggccctgt accaaggctt taacgtgtct 540
63  gtgcagggtt tttatcatcta ccgagccgc tacttcgtt tctatgacac tgcaaaggga 600
64  atgcctccgg atccaaagaa cactcacatc gtcatcagct ggatgtatgc acagactgtc 660
65  actgtgttgc cgggttgac ttccatcca ttgacaccg ttccgcgcg catgtatgt 720
66  cagtcaggc gcaaaggaaat tgacatcatg tacacaggca cggttgcgt ctggcggaa 780
67  attgtctgtt atgaaaggagg caaagctttt ttcaagggtt catggtccaa tggttctcaga 840
68  ggcatgggtt gtgtttgtt gttgtcttg tatgtatgaaa tcaagaaggta cacataaa 897
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 897
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapien
75 <400> SEQUENCE: 3
76  atgacggaaac aggccatctc cttcgccaaa gacttcttgg ccggaggcat cgccgcgc 60
77  atctccaaaga cggccgtggc tccgtatcgag cgggtcaagc tgctgtgc ggtccac 120
78  gccagaacgc agatcgccgc cacaaggcgt tacaaggcgt tcgtgactg cattgtccgc 180
79  atccccaaagg agcagggtgt gtgtcttc tggaggggca accttgcacat cgtcattgc 240
80  tacttccca ctcacccctt caacttcgc ttcaaggata agtacaaggca gatcttctg 300
81  gggggcttgg acaagcacac gcgttcttgg aggtactttg cgggcaacct ggcctccgc 360
82  ggtgcggccg ggcgcacccctc cttctgttgc gtgttacccgc tggattttgc cagaaccgc 420
83  ctggcaggcg acgtggggaa gtcaggcaca gagcgcgagt tccgaggctt gggagactgc 480
84  ctggtaaga tcaaccaagtc cgacggcatac cggggctgtt accagggtt cagtgttcc 540
85  gtgcagggtt tttatcatcta ccgaggccgc tacttcgtt tgacatgtt ggcacaggc 600
86  atgcctcccg accccaaggaa caccgcacatc gtgggtggat ggtatgtatgc gcagaccgt 660
87  acggccgtgg ccggcgttggt gtcttacccctc tggacacgg tgccgcggc catgtatgt 720
88  cagtcggc gcaaaaggagc tgacatcatg tacacggca ccgtcactt ttggaggaa 780
89  atcttcagat atgagggggg caaggccctt ttcaagggtt cgtggtccaa cgtcctgcgg 840
90  ggcatggggg ggcgccttcgt gtcggccctg tacgacgagc tcaagaaggat gatctaa 897
92 <210> SEQ ID NO: 4
93 <211> LENGTH: 43
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: PCR Primer
100 <400> SEQUENCE: 4
101 ttataatctcg agtatgggtt atcacgtttt gagcttcata aag 43
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: PCR Primer
111 <400> SEQUENCE: 5
112 tatataatgtt ctttagacat atttttgtat ctcatcatac aac 43
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 43
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING DATE: 10/23/2000
 PATENT APPLICATION: US/09/393,441 TIME: 14:20:48

Input Set : A:\420cl.app
 Output Set: N:\CRF3\10232000\I393441.raw

```

119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 6
123 ttatatctcg agtatgacag atgccgctgt gtccttcgcc aag
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 7
134 tatataggta ctttatgtgt acttcttgat ttcatcatac aag
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 43
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR Primer
144 <400> SEQUENCE: 8
145 ttatatctcg agtatgacgg aacaggccat ctcccttcgcc aaa
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR Primer
155 <400> SEQUENCE: 9
156 tatataggta ctttagagtc accttcttga gctcgtcgta cagg
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Sequence primer
166 <400> SEQUENCE: 10
167 tatccatag catttttatac c
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Sequence primer
177 <400> SEQUENCE: 11
178 cgccaaaaca gccaaagct
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 45
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:

```

RAW SEQUENCE LISTING DATE: 10/23/2000
PATENT APPLICATION: US/09/393,441 TIME: 14:20:48

Input Set : A:\420c1.app
Output Set: N:\CRF3\10232000\I393441.raw

186 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
188 <400> SEQUENCE: 12
189 ggagatggcc tggatccgtca tcttatacgac atcgatcgatc agatc 45
191 <210> SEQ ID NO: 13
192 <211> LENGTH: 45
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
199 <400> SEQUENCE: 13
200 gatctgtacg acgtatgacga taagatgacg gaacaggcca tctcc. 45
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: PCR primer
210 <400> SEQUENCE: 14
211 cccggggaaat tctgtatgacg gaacaggcca tctcc 35
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
222 cccgggctcg agttagatgc accttcttga gctc 34
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 41
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR primer
232 <400> SEQUENCE: 16
233 ttataggatc catgacggaa caggccatct ctttcgccaa a 41
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 41
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PCR primer
243 <400> SEQUENCE: 17
244 ttaaagaatt ctttagatcac ctttttgagc tcgtcgatca g 41
246 <210> SEQ ID NO: 18
247 <211> LENGTH: 18
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing primer

RAW SEQUENCE LISTING DATE: 10/23/2000
PATENT APPLICATION: US/09/393,441 TIME: 14:20:48

Input Set : A:\420c1.app
Output Set: N:\CRF3\10232000\I393441.raw

254 <400> SEQUENCE: 18
255 aaatgataac catctcgc 18
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 18
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Sequencing primer
265 <400> SEQUENCE: 19
266 acttcaagga gaatttcc 18
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequencing primer
276 <400> SEQUENCE: 20
277 acttcgcctt caccgata 18
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequencing primer
287 <400> SEQUENCE: 21
288 tacggcaag ggcattct 18
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 18
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Sequencing primer
298 <400> SEQUENCE: 22
299 tgaagcggaa gttcctat 18
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 18
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Sequencing primer
309 <400> SEQUENCE: 23
310 atgcgggttc ccgtacga 18
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
320 <400> SEQUENCE: 24

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/393,441 DATE: 10/23/2000
TIME: 14:20:49

Input Set : A:\420c1.app
Output Set: N:\CRF3\10232000\I393441.raw